

NAE C5 References

- Adger, W N., N.W. Arnell, and E. Tompkins. 2005. Successful adaptation to climate change across scales. *Global Environ. Change* 15(2):77-86.
- Aggarwal P.K., R.P. Roetter, N. Kalra, H. Van Keulen, C.T.Hoanh, and H.H. Van Laar (ed) 2001. Land use analysis and planning for sustainable food security with an illustration for the state of Haryana. Indian Agricultural Research Institute, New Dehli. IRRI, Los Baños, Wageningen Univ. Res. Centre, Wageningen.
- Akrich, M., and R. Miller. 2007. The future of key actors in the European research area: Synthesis paper. Technology Foresight Group, DG Research, European Commission, EU 22961 EN.
- Alegre H., W. Hirner, J.M. Baptista, and R. Parena. 2000. Performance indicators for water supply services. Manual of Best Practice Ser., IWA Publ., London.
- Alston, J.M., P.G. Pardey, and V.H. Smith. 1998. Financing agricultural R&D in rich countries: What's happening and why? *Aust. J. Agric. Resour. Econ.* 42(1):51-82.
- Alston, J.M., M.C. Marra, P.G. Pardey, and T.J. Wyatt. 2000. Research returns redux: A meta-analysis of the returns to agricultural R&D. *Aust. J. Agric. Resour. Econ.* 44(2):185.
- Amin, A., and P. Cohendet. 2004. Architectures of knowledge: Firms, capabilities, and communities. Oxford University Press, Oxford.
- Anania, G., 2006. An assessment of the major driving forces in the area of "economy and trade" which will contribute to shape the future of agriculture in Europe. Short Report to the SCAR Expert Working Group/EU Commission. Foresighting in the field of agricultural research in Europe.
- Aoki, M. 2001. *Toward a comparative institutional analysis*. MIT Press. Cambridge, Massachusetts.
- Arbatova, N. 2007. Russia-EU beyond 2007. Russian domestic debates. *Russie.Nei.Visions* No. 20. IFRI Russia/NIS Center.
- Ashley, R., and A. Cashman. 2006. The Impacts of change on the long-term future demand for water sector infrastructure. Offprint of *Infrastructure to 2030: Telecom, Land Transport, Water and Electricity*. OECD, Paris.
- Atkinson, R.C., R.N. Beachy, G. Conway, F.A. Cordova, M.A. Fox, Holbrook et al. 2003. Public sector collaboration for agricultural IP management. *Science* 301:174-175.
- Bainbridge, W.S., and M. Roco (ed) 2006. *Managing nano-bio-info-cogno innovations. Converging Technologies in Society*. NSF. Available at http://www.wtec.org/ConvergingTechnologies/3/NBIC3_report.pdf (verified 6 November 2007)
- BANR. 2002. Publicly funded agricultural research and the changing structure of US Agriculture Board on Agriculture and Natural Resources. Committee to Review the Role of Publicly

- Funded Agricultural Research on the Structure of US Agriculture, Board on Agriculture and Natural Resources, National Research Council.
- Batjes, N.H. 2000. Soil degradation status and vulnerability assessment for Central and Eastern Europe – Preliminary Results of the SOVEUR Project. Proceedings of concluding workshop. Busteni. Report 2000/04. FAO, Rome.
- Bauer, M.W., and G. Gaskell (ed) 2002. *Biotechnology: The making of a global controversy*. Cambridge University Press, UK.
- Bibel, W. 2005. Information technology. Background paper for the European Commission “Key Technologies” Expert Group. DG Research, European Commission.
- Birt, C. 2007. A CAP on health? The impact of the EU Common Agricultural Policy on public health. A report by the Faculty of Public Health. London.
- Björklund, J., K.E. Limburg, and T. Rydberg. 1999. Impact of production intensity on the ability of the agricultural landscape to generate ecosystem services: an example from Sweden. *Ecol. Econ.* 29(2):269-291.
- Björklund, S. 2004. Ecosystem services in an agricultural context. p. 21-24. *In* Agerlid, G. (ed) *Ecosystem services in European agriculture – theory and practice*. J. Roy. Swedish Acad. Agric. Forestry 143:1.
- BMBF. 2003. *Futur: Der deutsche Forschungsdialog. Eine erste Bilanz*. Bundesministerium für Bildung und Forschung. Bonn, Germany.
- Botkin, J.W., M. Elmandjra and M. Malitza. 1979. No limits to learning: Bridging the human gap. A report to the Club of Rome. A. Wheaton and Co. Ltd., Exeter.
- Bouma, J., J. Stoorvogel, R. Quiroz, S. Staal, M. Herrero, W. Immerzeel, et al. 2007. Ecoregional research for development. *Adv. Agron.* 93:257-311.
- Boussard, J.M., F. Gérard, M.G. Piketty, M. Ayouz, T. Voituriez. 2006. Endogenous risk and long run effects of liberalization in a global analysis framework. *Econ. Modelling* 23:457-475.
- Bouwman AF, T. Kram, K. Klein Goldewijk (ed) 2006. *Integrated modelling of global environmental change: An overview of IMAGE 2.4*. MNP Report no. 500110002.
- Braun, J., M.W. Rosegrant, R. Pandya-Lorch, M.J. Cohen, S.A. Cline, M.A. Brown, M.S. Bos. 2005. New risks and opportunities for food security. Scenario analyses for 2015 and 2050. 2020 Discussion Paper 39. IFPRI, Washington, DC.
- Britz, W., T. Heckeley, and I. Perez. 2006. Effects of decoupling on land use: An EU wide, regionally differentiated analysis. *Agrarwirtschaft* 55(5/6):215-226.
- Brouwer, F. 2006. Main trends in agriculture. LEI Agricultural Economics Research Institute, Policy Brief 1 (D14).
- Brundenius C, B. Göransson and J. Agren. 2006. The role of academic institutions in the national system of innovation and the debate in Sweden. Paper presented at Universidad 2006, 5th International Congress on Higher Education. Cuba, 13-17 February, 2006.

- Bruun, H., J. Hukkinen, K. Huutoniemi, and J.T. Klein. 2005. Promoting interdisciplinary research. The case of the Academy of Finland. Publications of the Academy of Finland August 2005.
- Buhler, W., S. Morse, E. Arthur, S. Bolton, and J. Mann. 2002. Science, agriculture and research, a compromised participation? Earthscan Publications Ltd., London.
- Burch, D., and G. Lawrence. 2005. Supermarket own brands, supply chains and the transformation of the agri-food system. *Int. J. Soc. Agric. Food*, 13(1):1-18.
- Busch, L., J.L. Silver, W.B.Lacy, C.S.Perry, M.Lancelle and S.Deo. 1984. The relationship of public agricultural r&d to selected changes in the farm sector. Report to the National Science Foundation. University of Kentucky, Lexington.
- Butler Flora, C. 1998. Skills for the 21st century relation-building. *Rural Development News*. Summer 1998.
- Buttel, F. 1986. Biotechnology and Agricultural Research Policy: Emergent Research Issues. p. 312-347. *In* K. Dahlberg (ed) *New directions for agriculture and agricultural research*. Rowmand & Allanheld, Totowa, NJ.
- Carter, T. (ed) 2007. Assessing the adaptive capacity of the Finnish environment and society under a changing climate: FINADAPT. Summary for Policy Makers. Finnish Environment Institute, Helsinki, Finland. Available at www.environment.fi/publications.
- Catlett, L. 2003. Futurist view of American agriculture. New Mexico State University.
- CEC. 2002. Communication from the Commission to the Council, The European Parliament, The Economic and Social Committee and the Committee of the Regions. Towards a Thematic Strategy for Soil Protection. COM (2002) 179 final. Commission of the European Communities, Brussels.
- CEC. 2005. Green Paper Confronting demographic change: a new solidarity between the generations. COM (2005) 94 final. Commission of the European Communities, Brussels.
- CGIAR Science Council, 2005. Science for agricultural development. Changing contexts, new opportunities. The Science Council of the CGIAR. Rome. Available at www.sciencecouncil.cgiar.org.
- Chambers, N., C. Simmons, and M. Wackernagel. 2000. Sharing nature's interest: Ecological footprints as an indicator of sustainability. Earthscan, London. Available at <http://www.ecologicalfootprint.com>
- Collomb, P. 1999. A narrow road towards food security in 2050 [Online]. Available at <http://www.fao.org/DOCREP/003/X3002F/X3002F00.htm>. FAO, Rome.
- Commission on Intellectual Property Rights, 2002. Integrating intellectual property rights and development policies.
- Cook, M.L., and F.R. Chaddad. 2000. Agroindustrialization of the global agrifood economy: Bridging development economics and agribusiness research. *Agric. Econ.* 23:207-218.

- Cranfield, J.A.L., T.W. Hertel, J.S. Eales, and P.V. Preckel. 1998. Changes in the structure of global food demand. *Amer. J. Agric. Econ.* 80(5):1042-1050.
- Cristoiu A., M. Canali, and S. Gomez y Paloma (ed) 2006. Prospects for the agricultural income of European farming systems: Summary results. EUR Number: 22506 EN. European Commission, Institute for Prospective Technological Studies (IPTS), Sevilla.
- Cuhls, K. 2006. Science, Technology and Innovation Drivers. Short Report to the SCAR Expert Working Group/ EU Commission. Foresighting in the field of agricultural research in Europe.
- Daily, G. (ed) 1997. Nature's services. Societal dependence on natural ecosystems. Island Press, Washington DC.
- De Boer J., M. Helms, and H. Aiking. 2005. Protein consumption and sustainability: Diet diversity in EU-15. *Ecol. Econ.* 59(3):267-274.
- De Fraiture, C., D. Wichelns, J. Rockstrom, and E. Kemp-Benedict. Scenarios and future outlook. 2006. Chapter 4. *In*: D. Molden (ed) Water for food, water for life. A comprehensive assessment of water management in agriculture. Earthscan Publications, New York.
- De Jouvenel, H. 2004. An invitation to foresight. *Futuribles*, Éditions Futuribles, Perspectives Series. Paris.
- Delgado, C.L., N. Wada, M.W. Rosegrant, S. Meijer, and M. Ahmed. 2003. Fish to 2020: supply and demand in changing global markets. [Online]. IFPRI, Washington, DC. Available at <http://www.ifpri.org/pubs/books/fish2020/oc44.pdf> (verified September 5, 2007).
- De Lattre-Gasquet, M. 2006. The use of foresight in agricultural research. *In* L. Box and R. Engelhard (ed) science and technology policy for development. Dialogues at the Interface. Anthem Press, London.
- Deutsch, L. 2004. Global trade, food production and ecosystem support: Making the interactions visible. Department of Systems Ecology. Stockholm University, Stockholm.
- Dezhina, I., 2005. Russian scientists: Where are they? Where are they going? Human Resources and Research Policy in Russia. *Russia.Cei.Visions* No. 4. IFPRI, Washington, DC.
- Diamond, J. 2005. Collapse. How societies choose to fail or survive. Penguin Books, London.
- Di Giorgio, C., A. van der Meer, and M. Thomas. 2004. Research and innovation for sustainable regional development. A guide for regional policy-makers. Prepared by ELANET (European Local Authorities' Telematic Network) for the Prelude Project (Promoting European Local and Regional Sustainability in the Digital Economy).
- Dik, A.J., 2004. Bulletin OILB/SROP 27 (8) 421-423. Proc. meeting of the IOBC/WPRS Working Groups 'Management of Plant Diseases and Arthropod Pests by BCAs and their Integration in Agricultural Systems, Trentino, Italy, 9-13 June 2004.

- Dixon, J., A. Gulliver, and D. Gibbon. 2001. Global farming systems study: Challenges and priorities to 2030 - Synthesis and Global Overview. Consultation Document. World Bank, Washington DC. and FAO, Rome.
- Dohm, A. 2005. Farming in the 21st century. A modern business in a modern world. *Occup. Outlook Quar.* 49(1):18-25. [Online] <http://www.bls.gov/opub/ooq/2005/spring/art02.pdf> (verified September 5, 2007).
- Dorward, A., J. Kydd, J. Morrison, and I. Urey, 2004. A policy agenda for pro-poor agricultural growth. *World Develop.* 32(1):73-89.
- Downey, L. 2005. Agri-food industries and rural economies: Competitiveness and sustainability. The key role of knowledge. June 2005.
- Dries L., T. Reardon, and J.F. Swinnen. 2004. The rapid rise of supermarkets in Central and Eastern Europe: Implications for the agrifood sector and rural development. *Devel. Policy Rev.* 22(5):525–556.
- Drogué, S., C. Grandval, J.C. Bureau, H. Guyomard, and L. Roudart. 2006. Panorama des analyses prospectives sur l'évolution de la sécurité alimentaire mondiale à l'horizon 2020-2030. ADEPRINA, MAP 05 G6 02 01. [Online] http://agriculture.gouv.fr/sections/publications/etudes/panorama-des-analyses-prospectives-sur-l-evolution-de-la-securite-alimentaire-mondiale-a-l-horizon-2020-2030-etude-commanditee/downloadFile/FichierAttache_1_f0/secu_sanitaire_monde.pdf?nocache=1134040585.85 (verified September 5, 2007).
- DuPuis, E.M., and D. Goodman. 2005. Should we go “home” to eat? Toward a reflexive politics of localism. *J. Rural Studies* 21(3):359-371.
- Easterling, W.E., B.H. Hurd, and J.B. Smith. 2004. Coping with global climate change. The role of adaptation in the United States. Pew Center on Global Climate Change, Washington DC.
- Eberstadt, N., 2007. *Etats-Unis: l'exception démographique*. Éditions Futuribles (Paris) 333:19-34.
- EEA, 2005. *European Environment Outlook*. EEA 410 Report No 2/2005, European Environment Agency, Copenhagen.
- EEA, 2006. *How much biomass can Europe use without harming the environment?* European Environment Agency, Copenhagen. [online] Available at http://reports.eea.europa.eu/briefing_2005_2/en/briefing_2_2005.pdf (verified September 5, 2007).
- EFMN, 2007. *Global technology revolution 2020*. European Foresight Monitoring Network, Foresight Brief No. 090.

- EIROOnline, 2005. Industrial relations in agriculture. Available at <http://www.eurofound.europa.eu/eiro/2005/09/study/tn0509101s.htm> (verified 6 November 2007)
- Elliasson K. 2004. American science – The envy of the world? An overview of the Science System and Policies in the United States. A report commissioned by the Swedish Ministry of Education and Science. ITPS, Sweden.
- EU/ETP Food for Life. 2005. The vision for 2020 and beyond. European Union, European Technology Platform on Food for Life. [Online]. Available at <http://etp.ciaa.be/documents/BAT%20Brochure%20ETP.pdf> (verified September 5, 2007).
- European Commission, 2003. Scenarios for the future of European research and innovation policy. Proc. STRATA/Foresight Workshop. 9-10 December 2003. EUR21251. European Commission, Directorate General for Research, Brussels.
- European Commission. 2004. The agriblue blueprint. Sustainable territorial development of the rural areas of Europe. Dissemination conference. September 2004. European Commission, Brussels.
- European Commission. 2005a. Biotechnology. A report for the key technologies expert group appointed by the European Commission RTD K2 Foresight Unit. July 2005. European Commission, Brussels.
- European Commission. 2005b. Soil atlas of Europe. European Soil Bureau Network, Office for Official Publications of the European Communities, Luxembourg, European Commission, Brussels.
- European Commission 2005c. European trend chart on innovation. Annual innovation policy trends report for United States, Canada, Mexico and Brazil. European Commission, Brussels.
- European Commission. 2005d. Frontier research: The European challenge. High-Level Expert Group Report. EUR 21619. European Commission, Brussels.
- European Commission. 2006. Emerging science and technology priorities in public research policies in the EU, the US and Japan. Final report EUR 21960. [online]. European Commission, Brussels. Available at <http://ec.europa.eu/research/foresight/pdf/21960.pdf> (Verified 5 September 2007).
- European Commission. 2007. Scenar 2020. Scenario study on agriculture and the rural world. Contract No. 30 - CE - 0040087/00-08. [online]. European Commission, Brussels. Available at http://ec.europa.eu/agriculture/publi/reports/scenar2020/index_en.htm (Verified 5 September 2007).

- European Commission / ETP (European Technology Platform). Plants for the Future. Stakeholders Proposal for a Strategic Research Agenda 2025 Including Draft Action Plan 2010. Presented at stakeholders conference on July 5, 2005.
- European Environment Agency, 2004. Greenhouse gas statistics [Online]. Available at <http://www.eea.eu.int>. EEA, Copenhagen.
- EURURALIS, 2006. Newsletter 2, November 2006. [online] Available at [http:// www.eururalis.nl](http://www.eururalis.nl).
- EURURALIS, 2007. A scenario study on Europe's Rural Areas [Online]. Available at [http:// www.eururalis.nl](http://www.eururalis.nl).
- Ewert, F., M.D.A. Rounsevell, I. Reginster, M.J. Metzger and R. Leemans. 2005. Future scenarios of European agricultural land use: I. Estimating changes in crop productivity. *Agric. Ecosyst. Environ.* 107:101-116.
- FAO. 2003. World agriculture towards 2015-2030. An FAO perspective. FAO, Rome. [Online]. Available at http://www.fao.org/documents/show_cdr.asp?url_file=/docrep/005/y4252e/y4252e00.htm
- FAO. 2006. World agriculture towards 2030 - 2050. An interim report. Prospects for food, nutrition, agriculture and major commodity groups. FAO, Rome.
- FAO. 2007. FAO urges action to cope with increasing water scarcity. Improving agricultural practices key. Newsroom, 22 March 2007. Food and Agriculture Organization of the United Nations, Rome.
- FAOSTAT. 2003. Available at <http://faostat.fao.org/default.aspx?alias=faostat&lang=fr> (verified 6 November 2007)
- FFRAF. 2007. FFRAF report: Foresighting food, rural and agri-futures. [Online]. Available at http://ec.europa.eu/research/agriculture/scar/pdf/foresighting_food_rural_and_agri_future_s.pdf (Verified 5 September 2007).
- Fields, S. 2004. The fat of the land. Do agricultural subsidies foster poor health? *Environ. Health Perspect.* 112(14):820-823.
- Fletcher, A. 2007. Maximizing productivity of agriculture: the food industry and nanotechnology. [Online]. Available at <http://www.foresight.org/challenges/agriculture002.html> (Verified 5 September 2007).
- FAPRI. 2005. U.S. and world agricultural outlook. Staff Report 1-05. Food and Agricultural Policy Research Institute, Iowa State University and University of Missouri-Columbia, Ames, Iowa Available at http://www.fapri.iastate.edu/outlook2005/text/FAPRI_OutlookPub2005.pdf
- Fischler, C. 1990. L'honnivoire : Le gout, la cuisine et le corps. Éditions Odile Jacob, Paris. (Without English abstract).
- Fresco, L.O. 2006. Biomass for food and fuel: Is there a dilemma? The Duisenberg Lecture, Singapore, September 2006. University of Amsterdam, The Netherlands.

- Fulponi, L. 2006. Private voluntary standards in the food system: The perspective of major food retailers in OECD countries. *Food Policy* 31(1):1-13.
- Furobotn, E.G., and R. Richter. 1998. *Institutions and economic theory. The contribution of the new institutional economics.* University of Michigan Press, Ann Arbor MI
- Galizzi, G. and R. Pieri. 1998. Information technology as a development factor in the food sector and in customer care. *Rivista di politica Agraria, Rassenga della Agricoltura Italiana* 16(4):3-18.
- Gallopin, G., A. Hammond, P. Raskin, and R. Swart. 1997. *Branch points: Global scenarios and human choice.* A Resource Paper of the Global Scenario Group. Stockholm Environment Institute, Stockholm
- Gallopin, G., and F. Rijsberman. 2000. Three Global Water Scenarios. *Int. J. Water* 1(1):16-40.
- Garnier, H. 2004. *Marché mondial du blé.* Grain Magazine, January 2004.
- Giampietro, M., S.G. Bukkends, and D. Pimentel. 1999. General trends of technological changes in agriculture. *Crit. Rev. Plant Sci.* 18(3):261-282.
- Gibbons, M., C. Limonges, H. Nowotny, S. Schwartzman, P. Scott, and M. Trow. 1994. *The new production of knowledge: The dynamics of science and research in contemporary societies.* Sage Publications, London.
- Gibbons, M. 1999. Science's new social contract with society. *Nature*, 402:C81.
- Gilland B. 2002. World population and food supply. Can food production keep pace with population growth in the next half-century? *Food Policy* 27:47-63.
- Ginarte, J., and W. Park. 1997. Determinants of patent rights: A cross national study, *Res. Policy* 27: 283-301.
- GLASOD. 1992. *World map of the status of human-induced soil degradation.* UNEP and International Soil Reference and Information Centre. GLASOD project. Winand Staring Centre, Wageningen.
- GLOBIO. 2001. *Global methodology for mapping human impacts on the biosphere* [Online]. Available at <http://www.globio.info/>. UNEP/DEWA.
- Godet, M. 1977. *Crise de la prévision : Essor de la prospective.* Presse Universitaire de France, Paris.
- Gokhberg L. 2002. Russian S&T: Challenges in Transition. *In Dialogue on S&T between the European Union and the Russian Federation.* CSRS, Moscow.
- Griffon, M. 2006. *Nourrir la planète.* Éditions Odile Jacob, Paris. (Without English Abstract).
- Groot, J.C.J., M. Stuver, and L. Brussaard. 2004. Land use systems in grassland dominated regions. p. 1202-1204. *In* A. Luscher, B. Jeangros, W. Kessler et al. (ed) *Proc. 20th General Meeting of the European Grassland Federation.* Luzern, Switzerland, 21-24 June 2004.

- Grudens-Schuck N., W. Allen, T. M. Hargrove, and M. Kilvington, 1998. Renovating dependency and self-reliance for participatory sustainable development. *Agriculture and Human Values* 20:1:53-64.
- Hafner, S. 2003. Trends in maize, rice and wheat yields for 188 nations over the past 40 years: a prevalence of linear growth. *Agric. Ecosyst. Environ.* 97:275-283.
- Harwood, R.R. 2001. Sustainability in agricultural systems in transition – at which cost? Proc. International Symposium: Sustainability in Agricultural Systems. ASA, CSSA, the World Bank and IFAP, Baltimore, MD.
- Hayami, Y., and V.W. Ruttan. 1985. *Agricultural development*. John Hopkins University Press, Baltimore.
- Heemskerk, M., K. Wilson, and M. Pavao-Zuckerman. 2003. Conceptual models as tools for communication across disciplines. *Conserv. Ecol.* 7(3):8.
- Hatem, F. 1993. *La prospective, pratiques et méthodes*. Economica, Paris. (Without English Abstract)
- Hendrickson, M.K., W. Heffernan, P. Howard, and J. Heffernan. 2001. Consolidation in food retailing and dairy: Implications for farmers and consumers in a global food system. *Sustainable Agric.* 13(1):10-11.
- Henson, S., and T. Reardon. 2006. Private agri-food standards: Implications for food policy and the agri-food system. *Food Policy* 30: 241-253.
- Herzfeld, T. and T. Glauben. 2006. Labor mobility in transition countries and the impact of institutions. pp. 451-466. *In* J. Curtiss, A. Balmann, K. Dautzenberg, K. Happe (ed) *Agriculture in the face of changing markets, institutions and policies challenges and strategies*. IAMO, Studies on the Agricultural and Food Sector in Central and Eastern Europe, Vol. 33. Leibniz Institute of Agricultural Development in Central and Eastern Europe, Halle, Germany.
- Hinrichs, C.C. 2000. Embeddedness and local food systems: notes on two types of direct agricultural market. *J. Rural Studies* 16:295-303.
- Hinrichs, C.C. 2003. The practice and politics of food system localization. *J. Rural Studies* 19:33-45.
- Huffman, W.E. and R.E. Evenson. 1993. *Science for Agriculture: A Long Term Perspective*. Ames, IA, Iowa State University Press.
- Huffman, W.E. and R.E. Just. 1999. Benefits and beneficiaries of alternative funding mechanisms. *Rev. Agr. Econ.* 19:2-18.
- Huffman, W.E. and R.E. Just. 2000. setting efficient incentives for agricultural research: Lessons from principal-agent theory. *Amer. J. Agr. Econ.* 82:828-841.
- Huffman, W.E., and R.E. Evenson. 2001. Structural and productivity change in US agriculture, 1950–1982. *Agric. Econ.* 24(2):127–147.

- Huffman, W.E. 2005. Developments in the organization and finance of the public agricultural research in the United States 1988-1999. Department of Economics. Working Papers Series, December 2005. Iowa State University. Ames, IA.
- IAMO, 2003. Social security systems and demographic developments in agriculture in the CEE candidate countries. Report to the Europe Commission, Directorate General for Agriculture, Institute of Agricultural Development in Central and Eastern Europe.
- IEA, 2006. World Energy Outlook 2006. International Energy Agency, Paris.
www.worldenergyoutlook.org
- IEO, 2007. International Energy Outlook, 2007. Official energy statistics from the US government. Available at <http://www.eia.doe.gov/oiaf/ieo/index.html> (verified 6 November 2007).
- IFRI, 2002. Le commerce mondial au XXIème siècle. Institut Français des Relations Internationales, Paris. (Without English Abstract).
- Ingram, J. and C. Morris. 2007. The knowledge challenge within the transition towards sustainable soil management: An analysis of agricultural advisors in England. Land Use Policy 24(1):100-117.
- IPCC, 2000a. Emissions scenarios. Summary for Policymakers. IPCC Special Report, Working Group III.
- IPCC, 2000b. Land Use, Land-Use Change, and Forestry. A Special Report of the Intergovernmental Panel on Climate Change. Geneva, Switzerland.
- IPCC, 2001. Climate Change 2001: Impacts, adaptation, and vulnerability. Contribution of Working Group II to the Third Assessment Report of the IPCC. Cambridge Press, New York.
- IPCC, 2007. The physical science basis. Summary for Policymakers. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. IPCC Secretariat, Geneva.
- Irvine J. and B.R. Martin. 1984. Foresight in science: Picking the winners. Pinter, London.
- Irvine J. and B.R. Martin. 1989. Research foresight: Priority setting in science. Pinter, London.
- ISNAR. 2003. Trends in the organization and financing of agricultural research in developed countries. Implications for Developing Countries. W. Janssen and T. Braunschweig. ISNAR Research Report 22. ISNAR, The Hague.
- Jackson, T. 2005. motivating sustainable consumption. A review of evidence on consumer behaviour and behavioural change. A report to the Sustainable Development Research Network. Economic and Social Research Council's Sustainable Technologies Programme (STP).
- Johansson, S. 2005. The Swedish foodprint - An agroecological study of food consumption. Department of Ecology and Crop Production Science. Swedish University of Agricultural Sciences, Uppsala.

- Juma, C., K. Fang, D. Honca, J. Huete-Perez, V. Konde, S.H. Lee et al. 2001. Global governance of technology: Meeting the needs of developing countries. *Int. J. Tech. Manage.* 22(7/8):629–55.
- Juma, C., and L. Yee-Cheong. 2005. Innovation: applying knowledge in development. UN Millenium Project, Task Force on Science, Technology, Innovation.
- Kabat, P., W. van Vierssen, J.A. Veraart, P. Vellinga, and J. Aerts. 2005. Climate proofing the Netherlands. *Commentary. Nature* 438:283-284.
- Kahiluoto, H., P. Berg, A. Granstedt, H. Fischer and O. Thomsson (ed) 2006. Localisation and recycling in Baltic rural food systems. *Interdisciplinary Synthesis. Baltic Ecological Recycling Agriculture and Society (BERAS) Nr. 7.* Centre for Sustainable Agriculture (CUL). Swedish University of Agricultural Sciences, Uppsala.
- Kandel, W., and A. Mishra. 2007. immigration reform and agriculture. Economic Research Service, USDA. Paper presented at the USDA Agricultural Outlook Conference, March 2007.
- Kates R.W., W.C. Clark, R. Corell, J.M. Hall, C.C. Jaeger, I. Lowe et al. 2000. Sustainability science. *Science* 292:641-642.
- Keating, P., and A. Cambrosio. 2003. Biomedical platforms. *Realigning the normal and the pathological in late twentieth-century medicine.* MIT Press, Cambridge, MA.
- Kemp-Benedict E., C. Heaps and P. Raskin. 2002. Global scenario group futures. *Technical Notes. SEI PoleStar Series Report No. 9.*
- Keyzer, M.A, M.D. Merbis, I.F.P.W. Pavel and C.F.A. van Wesenbeeck. 2005. Diet shifts towards meat and the effects on cereal use: Can we feed the animals in 2030?. *Ecol. Econ.* 55(2):187-202.
- Klein, J.T. 1996. *Crossing boundaries: Knowledge, disciplinarity, and interdisciplinarity.* University of Virginia Press, Charlottesville, VA.
- Klijin, J.A., and L.A.E. Vullings (ed) 2005. *The EURuralis study: technical Document.* Alterra Report 1196, Wageningen.
- Knoppers, B.M., and C. Scriver. 2004 *Genomics, health and society. Emerging Issues for Public Policy,* Canada.
- Konyar, K. 2001. Assessing the role of US agriculture in reducing greenhouse gas emissions and generating additional environmental benefits. *Ecol. Econ.* 38(1):85-103.
- Kulhmann, S., P. Boekholt, L. Georghiou, T. Lemola, K. Guy, and A. Rip. 1999. improving distributed intelligence in complex innovation systems. *Final report of the Advanced Science and Technology Planning Network (ASTP).*
- Lamb, H.H. 1995. *Climate history and the modern world.* 2nd ed. Routledge, London.
- Leijten, J. 2006. *Between flat and spiky world forces. An exploration of the consequences of demographic and social changes for rural areas.* Short Report to the SCAR Expert

- Working Group/EU Commission. Foresighting in the field of agricultural research in Europe.
- Lele, S., and R.B. Norgaard. 2005. Practicing interdisciplinarity. *BioScience* 55:967-975.
- Lemmen, D.S., and F.J. Warren (ed) 2004. Climate change impacts and adaptation. A Canadian perspective. [Online]. Available at <http://www.adaptation.nrcan.gc.ca>
- Leeuwis, C. 2004. Rethinking innovation and agricultural extension. *In* H.A.J. Moll, C. Leeuwis, E. Manzungu, L.F. Vincet (ed) *Agrarian institutions between policies and local action: Experiences from Zimbabwe*. Weaver Press, Harare.
- Lévy, P. 2000. *Collective intelligence: Mankind's emerging world in cyberspace*. Perseus Books Group, New York.
- Leydesdorff, L., and H. Etzkowitz. 1998. The triple helix as a model for innovation studies. *Sci. Public Policy* 25(3):195-203.
- Libeau-Dulos, M., and E. Rodriguez Cerzo (ed) 2004. prospective analysis of agricultural systems. European Commission, Institute for Prospective Technological Studies, Technical Report EUR 21311 EN.
- Liefert, W., S. Osborne, O. Liefert, and M. Trueblood. 2003. Can Russia be competitive in agriculture? *Eurochoices* 2(3):18-23.
- Liefert, W. 2002. Comparative (dis?)advantage in Russian agriculture. *Amer. J. Agric. Econ.* 84(3):762-767.
- Lockeretz, W., and M.D. Anderson. 1993. *Agricultural research alternatives*. University of Nebraska Press.
- Lynden, G.W., and J. Van. 2000. *Soil degradation in Central and Eastern Europe: The assessment of the status of human-induced soil degradation*. FAO Report 2000/05. FAO and ISRIC, Rome.
- MA (Millennium Ecosystem Assessment). 2005. *Ecosystems and human well-being: synthesis*. Island Press, Washington DC.
- MA (Millennium Ecosystem Assessment). 2006. *Ecosystems and human well-being: scenarios - Findings of the Scenarios Working Group*, Island Press, Washington DC.
- Malassis, L. 1997. *Les trois âges de l'alimentaire*. Cujas, Paris. (Without English Abstract).
- Marris, E. 2006. Drink the best and drive the rest. *Nature* 444:670-672.
- Martin, B.R. 1995. Foresight in science and technology. *Tech. Anal. Strateg. Manage.* 7(2):139-168.
- Martin, P. 2007. Immigration and agriculture. Paper presented at the USDA Agricultural Outlook Conference, March 2007.
- McCalla, A.F. 2000. Agriculture in the 21st century. CIMMYT, Mexico.
- McFetridge, D.G. 1994. The economics of vertical integration. *Can. J. Agric. Econ.* 42(4):525-531.

- Meadows, D.H., J. Randers, and D.L. Meadows. 2004. A synopsis. Limits to growth. The 30-Year Update. Earthscan Publications, UK.
- Metzger, M.J., M.D.A. Rounsevell, L. Acosta-Michlik, R. Leemans and D. Schröter. 2006. The vulnerability of ecosystem services to land use change. *Agric. Ecosyst. Environ.* 114:69-85.
- Miller, R.J., P. Sorokin, Y.F. Lachuga, S. Chernakov and A.D. Goecker. 2000. A comparison of agricultural higher education in Russia and the United States. *J. Nat. Resour. Life Sci. Educ.* 29:68-77.
- Mindeli, L. 2002. Overview of S&T and Innovation Policies in Russia. *In: Dialogue on S&T between the European Union and the Russian Federation.* CSRS, Moscow.
- Morris, C. 2006. Negotiating the boundary between state-led and farmer approaches to knowing nature: An analysis of UK agri-environment schemes. *Geoforum* 37(1):113-127.
- Morris, S.H. 2007. EU biotech crop regulations and environmental risk: a case of the emperor's new clothes? *Trends in Biotech.* 25(1):2-6.
- NIC, 2004. Mapping the global future. Report of the National Intelligence Council's 2020 Project. Available at http://www.dni.gov/nic/NIC_2020_project.html (verified 6 November 2007).
- NISTEP. 2005. Science and Technology Foresight Survey, Delphi Analysis. Science and Technology Foresight Center, Ministry of Education, Culture, Sports, Science and Technology (MEXT): Report no. 97. National Institute of Science and Technology Policy, Tokyo.
- Nordmann A., 2004. Converging technologies. shaping the future of European societies. Report of the High Level Expert Group Foresighting the New Technology Wave.
- NSF. 2003. The science and engineering workforce. Realizing America's potential. Report of the National Science Board. NSB 03-69. National Science Foundation, Washington, D.C.
- NSF. 2006. Science and Engineering Indicators 2006. National Science Foundation, Washington, D.C.
- North, D.C. 1990. Institutions, institutional change and economic performance. Cambridge University Press, Cambridge.
- OECD. 1995. Effects of ageing populations on government budgets. *OECD Economic Outlook and Policies.* **OECD**, Paris.
- OECD. 1997. National Innovation Systems. OECD, Paris.
- OECD. 1998. The future of food: Long-term prospects for the agrofood sector. OECD, Paris.
- OECD. 1999. Summary and Evaluation of Main Developments and Changes in Organizational Forms of and Approaches by the AKS in OECD Member Countries. Directorate for Food, Agriculture and Fisheries, Committee for Agriculture. AGR/CA/AKS(00)4. OECD, Paris.

- OCDE. 2005. Perspectives agricoles de l'OCDE et de la FAO 2005-2014. OCDE and FAO, July 2005. OECD, Paris.
http://www.oecd.org/document/45/0,2340,fr_2649_33727_35015981_1_1_1_1,00.html
- OECD. 2005a. Governance of Innovation Systems Vol 1. Synthesis Report. OECD, Paris.
http://www.oecd.org/document/25/0,2340,en_2649_37417_35175257_1_1_1_37417,00.html
- OECD. 2005b. Governance of Innovation Systems Vol. 2. Case Studies in Innovation Policy. OECD, Paris.
- OECD. 2005c. Governance of Innovation Systems Vol.3. Case studies in Cross-Sectoral Policy. OECD, Paris.
http://www.oecd.org/document/12/0,2340,en_2649_37417_35791756_1_1_1_37417,00.html
- OECD, 2006. Global Science Forum Evolution of Student Interest in Science and Technology Studies. Policy Report. May 4, 2006. OECD, Paris.
- OECD-FAO, 2005. Agricultural outlook: 2005-2014. OECD, Paris and FAO, Rome.
- OECD-FAO, 2007. Agricultural outlook: 2007-2016. OECD, Paris and FAO, Rome.
- Olesen, J. E. and Bindi, M. 2002. Consequences of climate change for European agricultural productivity, land use and policy. *European Journal of Agronomy* 16:239-262.
- OSI, 2006. Science review of the Department for Environment, Food and Rural Affairs. London, UK Office of Science and Innovation. <http://www.dti.gov.uk/science/science-in-govt/works/science-reviews/review/defra/page24808.html>
- OST. 2006a. Les systèmes nationaux de recherche et d'innovation du monde et leurs relations avec la France : la Russie. Observatoire des Sciences et des Techniques, Paris.
- OST. 2006b. Indicateurs de sciences et de technologies. Rapport de l'Observatoire des Sciences et des Techniques. Edition 2006.
- Pant, H.M. 2002. Global Trade and Environment Model (GTEM): A computable general equilibrium model of the global economy and environment, Australian Bureau of Agricultural and Resource Economics, Canberra.
- Pardey, P.G., J. Roseboom, and B.J. Craig. 1999. Agricultural R&D investments and impact. *In* J.M. Alston, P.G. Pardey, V.H. Smith (ed) *Paying for agricultural productivity*. Johns Hopkins University Press, Baltimore, MD.
- Parry, M.L. (ed) 2000. Assessment of potential effects and adaptations for climate change in Europe. The Europe ACACIA project. Jackson Environment Institute, University of East Anglia, Norwich, UK.
- Persley, G.J. 1998. Investment strategies for agriculture and natural resources: investing for knowledge and development. World Bank, Australian Centre for International Agricultural

- Research, UK Department for International Development and Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ).
- Poux, X., J.B. Narcy, and V. Chenat. 2005. Agriculture et environnement: 4 scénarios à l'horizon 2015. Ministère de l'écologie et du développement durable, Paris.
- Pretty, J., C. Brett, D. Gee, R. Hine, C. Mason, J. Morison. 2001. Policy challenges and priorities for internalizing the externalities of modern agriculture. *J. Environ. Planning Manage.* 44(2):263-284.
- Pretty, J., A.S. Ball, T. Lang, and J. Morison. 2005. Farm costs and food miles: An assessment of the full cost of the UK weekly food basket. *Food Policy* 30:1-19.
- Raggelbrugge, C.J. 2007. American agriculture and immigration reform: An industry perspective. paper presented at the USDA Agricultural Outlook Conference, March 2007.
- Rand Corporation. 2006. the global technology revolution 2020, Executive Summary: Bio/Nano/Materials/Information Trends, Drivers, Barriers and Social Implications. MG-475-NIC. The Global Technology Revolution 2020, In-Depth Analyses: Bio/Nano/Materials/Information Trends, Drivers, Barriers and Social Implications, TR-303-NIC.
- Raoult-Wack, A-L., and N. Bricas. 2001. Food sector development: multifunctionality and ethics. *Agricultural Engineering International: the CIGR Journal of Scientific Research and Development.*
- Raskin, P., F. Monks, T. Riberio, D. van Vuuren, and M. Zurek. 2005. Global scenarios in historical perspective. p. 35-43. *In: S. R. Carpenter et al. (eds) Ecosystems and human well-being: Scenarios. Findings of the Scenarios Working Group of the Millennium Ecosystem Assessment.* Island Press, Washington, D.C
- Read, N., J.J. Quinn and A. Webster. 1988. Commercialisation as a policy mechanism in UK agricultural research, development and extension. *Agric. Systems* 26:77-87.
- Reardon, T. and C.B. Barrett. 2000. Agroindustrialization, globalization, and international development: An overview of issues, patterns, and determinants. *Agricultural Economics* 23:195-205.
- Reilly, J., B. Tubiello, B. McCarl, and J. Melillo. 2000. Climate change and Agriculture in the United States. p. 379-403 *In Climate change impacts in the United States. The potential consequences of climate variability and change. Report for the U.S. Global Change Research Program.* Cambridge University Press, Cambridge, UK.
- Reilly, J., F. Tubiello, B. McCarl, D. Abler, R. Darwin, K. Fuglie et al. 2003. US agriculture and climate change. *New Results. Clim. Change* 57:43-69.
- Roco, M., and W.S. Bainbridge. 2002. converging technologies for improving human performances. Nanotechnology, Biotechnology, Information Technology and Cognitive Science. A NSF/DOC-sponsored report. Available at

- http://www.wtec.org/ConvergingTechnologies/1/NBIC_report.pdf (verified 6 November 2007).
- Roetter, R.P., and S.C. van de Geijn. 1999. Climate change effects on plant growth, crop yield and livestock. *Clim. Change* 43:651-681.
- Roetter, R.P., H. van Keulen, M. Kuiper, J. Verhagen, and H.H. van Laar (ed) 2007. *Science for agriculture and rural development in low-income countries*. Springer, Dordrecht.
- Romig, D.E., M.J. Garlynd, R.F. Harris and K. McSweeney. 1995. How farmers assess soil health and soil quality. *J. Soil Water Conserv.* 50:229–236.
- Rosegrant, M., M.J. Paisner, S. Meijer, and J. Witcover. 2001. *Global food projections to 2020: emerging trends and alternative futures*. IFPRI, Washington DC.
- Rosegrant, M.W., X. Cai and S.A. Cline. 2002. *World water and food to 2025: Dealing with scarcity*. IFPRI, Washington DC.
- Rosegrant, M.W., X. Cai and S.A. Cline. 2004. *Global water outlook to 2025, averting an impending crisis*. IFPRI, Washington DC.
- Rosenzweig, C., A. Iglesias, X.B. Yang, P.R. Epstein and E. Chivian. 2000. *Climate change and U.S. agriculture: The Impacts of warming and extreme weather events on productivity, plant diseases, and pests*. Center for Health and the Global Environment. Harvard University, Cambridge, MA.
- Rosenzweig, C., and D. Hillel, 2000. Soils and global climate change: Challenges and opportunities. *Soil Sci.* 165:47-56.
- Royer, J.S. 1998. Market structure, vertical integration, and contract coordination. p. 73-98. *In*: J.S. Royer and R.T. Rogers (ed) *The industrialization of agriculture: Vertical coordination in the US food system*. Ashgate Publishing Company, London.
- Sachs, J. 2005. *The end of poverty. Economic possibilities for our time*. The Penguin Press, New York.
- Sachs, J. 2006. Global warming. Pay for it now, or pay for it later. *The Globe and Mail*, 19 June 2006.
- Sanderson, K. 2006. A field in ferment. *Nature* 444:673-676.
- Schmidhuber, J. 2003. The outlook for long-term changes in food consumption patterns: concerns and policy options. Paper prepared for the FAO Scientific Workshop on Globalization of the Food System: Impacts on Food Security and Nutrition, 8-10 October 2003. FAO, Rome,
- Schmidhuber, J., and P. Shetty. 2005. The nutrition transition to 2030. Why developing countries are likely to bear the major burden. Plenary Paper by presented at the 97th Seminar of the European Association of Agricultural Economists, University of Reading, UK, 21-22 April 2005.

- Schröder, G. and A. Weiske. 2006. Greenhouse gas emissions and mitigation costs of selected bioenergy production chains. Impact of Environmental Agreements on the CAP (MECAP Document WP3 D15b), Institute for European Environmental Policy (IEEP). London.
- Schröter, D, W. Cramer, R. Leemans, I.C. Prentice, M.B. Araujo, N.W. Arnell et al. 2005. Ecosystem service supply and vulnerability to global change in Europe. *Science* 310:1333-1337.
- Scott, N. and H. Chen. 2003. Nanoscale science and engineering for agriculture and food systems. A report to the Cooperative State Research, USDA, Washington D.C.
- Shearer, A.W. 2005. Approaching scenario-based studies: three perceptions about the future and considerations for landscape planning. *Environ. Planning B* 32:67-87.
- Shiklomanov, I. 1999. World water resources and their use [Online]. Available at http://webworld.unesco.org/water/ihp/db/shiklomanov/part3/HTML/Fi_17'2.html. SHI/UNESCO, St.Petersburg, Russia.
- Silberglitt, R., P. Anton., D. Howell, and A. Wong. 2006. the global technology revolution 2020. RAND Publications, Washington DC.
- Skaggs, R. 2001. The future of agriculture: Frequently asked questions. New Mexico State University (NMSU), College of Agriculture and Home Economics. Technical Report 37.
- Smil, V. 2000. Feeding the world. The MIT Press, Cambridge, MA.
- Smil, V. 2005. Feeding the World: How much more rice do we need? Keynote Lecture. *In* K. Toriyama, K.L. Heong, B. Hardy (ed) Rice is life: Scientific perspectives for the 21st century. World Rice Research Conference, Tsukuba 4-7 November 2004, Japan, WRRRC 2004 CD-ROM Proceedings, p. 1-3. Tokyo and Tsukuba.
- Stern N. 2006. Stern Review on the Economics of Climate Change [Online]. Available at www.sternreview.org.uk. HM Treasury, UK.
- Sumberg, J., C. Okali and D. Reece. 2003. Agricultural research in the face of diversity, local knowledge and the participation imperative: theoretical considerations. *Agricultural Systems* 76:739-753.
- Tilman, D., K.G. Cassman, P.A. Matson, R. Naylor and S. Polasky. 2002. Agricultural sustainability and intensive production practices. *Nature* 418:671-677.
- Ugarte, D., B. English, K. Jensen, C. Hellwinckel, J. Menard and B. Wilson. 2006. Economic and agricultural impacts of ethanol and biodiesel expansion. 21st Century Agricultural Impacts Project, University of Tennessee. Available at <http://www.21stcenturyag.org/> (verified Sept 3, 2007).
- Umali, D.L. and L. Schwartz. 1994. Public and private agricultural extension: Beyond traditional frontiers. World Bank Discussion Paper No. 236. World Bank, Washington, DC.
- UN. 1993. Agenda 21: Earth Summit. The United Nations Programme of Action from Rio. United Nations Publications, New York and Geneva.

- UN. 2004. World Population Prospects: The 2004 revision. Highlights.
- UN. 2006. World Population Prospects: The 2006 revision. Highlights.
http://www.un.org/esa/population/publications/wpp2006/wpp2006_highlights.pdf
- UNEP. 2002. L'avenir de l'environnement mondial 3. Chapitre 4 : Prospective 2002-2032 .Potting José and Bakkes Jan, UNEP/RIVM, 2004. <http://www.grida.no/geo/geo3/french/515.htm>
- UNESCO. 2006a. The Global Carbon Cycle. UNESCO-Scope, Policy Brief 2. Paris.
- UNESCO. 2006b. UNESCO Science Report 2005. Paris.
- University of Georgia. 2000. Critical Dimensions of Structural Change. 2nd Annual National Symposium on the Future of American Agriculture, 2000. University of Georgia.
<http://www.agecon.uga.edu/archive/agsym00.html>
- UPOV, 1991. International Convention for the Protection of New Varieties of plants of December 2, 1961, as revised at Geneva on November 10, 1972, on October 23, 1978, and on March 19, 1991.
- USDA. 2005. Food Security Assessment. GFA-16, May 2005, USDA, Economic Research Service, Washington D.C.. <http://www.ers.usda.gov/Publications/GFA16/>
- US DOI, 2005. Water 2025: preventing crises and conflict in the West. A status report. Available at <http://www.doi.gov/water2025/> (verified 6 November 2007).
- US EPA. 2005. Greenhouse Gas Mitigation Potential in U.S. Forestry and Agriculture. United States Environmental Protection Agency, Office of Atmospheric Programs.
http://www.epa.gov/sequestration/greenhouse_gas.html
- Vanacht, M. 2006. Six Megatrends in Agriculture. The John M. Airy Symposium: Visions for animal agriculture and the environment, Kansas, MO.
<http://www.iowabeefcenter.org/content/Airy/VANACHT%20Abstract.pdf>
- Van-Camp, L., B. Bujarrabal, A.R. Gentile, R.J.A. Jones, L. Montanarella, C. Olazabal and S.K. Selvaradjou. 2004. Reports of the Technical Working Groups established under the Thematic Strategy for Soil Protection. EUR 21319 EN/1, 872 pp. Office for Official Publications of the European Communities, Luxembourg.
- Van Ittersum, M.K., and R. Rabbinge. 1997. Concepts in production ecology for analysis and quantification of agricultural input-output combinations. *Field Crops Res.* 52:197-208.
- Van Ittersum, M.K., R.P. Roetter, H. Van Keulen, N. De Ridder, C.T. Hoanh, A.G. Laborte et al. 2004. A systems network (SysNet) approach for interactively evaluating strategic land use options at sub-national scale in South and South-east Asia. *Land Use Policy* 21:101-113.
- Van Keulen, H. 2007. Historical context of agricultural development. *In* R.P. Roetter, H. van Keulen, M. Kuiper, J. Verhagen, and H.H. van Laar (ed). 2007. *Science for Agriculture and Rural Development in Low-income Countries*. Springer, Dordrecht.

- Väyrynen, R. 2006. The Speech of the Director of the Academy of Finland. The 60th Anniversary of the Faculty of Social Sciences, Helsinki University.
- Verburg, P.H., W. Soepboer, A. Veldkamp, R. Limpiada, V. Espaldon and S. Mastura 2002. Modeling the spatial dynamics of regional land use: the CLUE-s model. *Environ. Manage.* 30(3):391-405.
- Verburg, P.H., M.D.A. Rounsewell and A. Veldkamp (ed) 2006. Editorial. p.1-6 *In* Scenario-based studies of future land use in Europe. Special Issue, *Agric. Ecosyst. Environ.* 114(1).
- Vereijken, P.H., and C.M.L. Hermans. 2006. How sustainable can agriculture be in an EU-scenario of free market and social policy? p. 23-24. *In* H. Langeveld, and N. Roeling, Changing European farming systems for a better future: new visions for rural areas.
- Verhagen, J., H. Wösten, and A. De Jager. 2007. Agriculture and environment. *In* R.P. Roetter, H. van Keulen, M. Kuiper, J. Verhagen, and H.H. Van Laar (ed) Science for agriculture and rural development in low-income countries. Springer, Dordrecht.
- Von Braun, J., M. Rosegrant, R. Pandya-Lorch, M.J. Cohen, S.A. Cline, M.A. Brown, and M.S. Bos 2005. New risks and opportunities for food security. Scenario Analyses for 2015 and 2050. IFPRI 2020 Discussion Paper 39. February 2005. International Food Policy Research Institute (IFPRI), Washington, DC.
- Vries, B. de, M. Hoogwijk, and D. van Vuuren. 2006. Renewable energy sources: their global potential for the first half of the 21st century at a global level: An integrated approach. *Energy Policy.*
- Wackernagel, M. and W.E. Rees, 1996. Our ecological footprint: Reducing human impact on the Earth. New Society Publishers, Gabriola Island, BC. Available at www.newsociety.com/oef.html and www.RedefiningProgress.org
- Wackernagel, M., D. Deumling, C. Monfreda, A.C. Linares, I.S.L. Falfan, and M.A.V. Sanchez. 2001. Ecological Footprint of Nations. December 2001 Update. Sustainability Issue Brief, December 2001.
- Walter, G., M. Wander, and G. Bollero. 1997. A farmer-centered approach to developing information for soil resource management: the Illinois Soil Quality Initiative. *American Journal of Alternative Agriculture* 12(2):64-72.
- Wander, M. and L. E. Drinkwater. 2000. Fostering soil stewardship through soil quality assessment. *Applied Soil Ecology* 15:61-73.
- WCED. 1987. Our Common Future. World Commission on Environment and Development. Oxford University Press, Oxford.
- Weber, K. M. 2005. Environmental Technologies. Background Paper for the European Commission's High Level Group on "Key Technologies". 4 July 2005.
- Westhoek, H.J., M. Berg, and J.A. van den Bakkes. 2006. Scenario development to explore the future of Europe's rural areas. Special Issue, *Agric. Ecosyst. Environ.* 114(1):7-20.

- Williamson, O. 2000. The new institutional economics: Taking stock, looking ahead. *J. Econ. Lit.* 38(3):595-613.
- Winter, M. 2003. Embeddedness, the new food economy and defensive localism. *Journal of Rural Studies* 19 (1):23-32.
- Wolf, J., R.P. Roetter and O. Oenema. 2005. Nutrient emission models in environmental policy evaluation at different scales – experience from The Netherlands. *Agric. Ecosyst. Environ.* 105:291-306.
- World Bank. 2003. The CGIAR at 31: An independent meta-evaluation of the Consultative Group on International Agricultural Research. Vol.1. Overview Report, Washington, DC.
- World Bank. 2005. 2005 World development indicators. Available at http://devdata.worldbank.org/wdi2005/Table4_1.htm (verified 6 November 2007)
- World Bank, 2006. Enhancing agricultural innovation: How to go beyond the strengthening of research systems. World Bank., Washington D.C.
- WTO. 2006. World Trade Report. [Online]. World Trade Organisation, Genève. Available at http://www.wto.org/english/res_e/reser_e/world_trade_report_e.htm
- Worldwatch Institute. 2006. Biofuels for transportation. Global potential and implications for sustainable agriculture and energy in the 21st Century. Washington, D.C. 7 June 2006
- Yohe, G., and R. Tol. 2001. Indicators for social and economic coping capacity: Moving toward a working definition of adaptive capacity. *Global Environ. Change* 12:25-40.
- Zahniser, S., E. Young, and J. Wainio. 2005. Recent agricultural policy reforms in North America. USDA, WRS-05-03. April 2005.